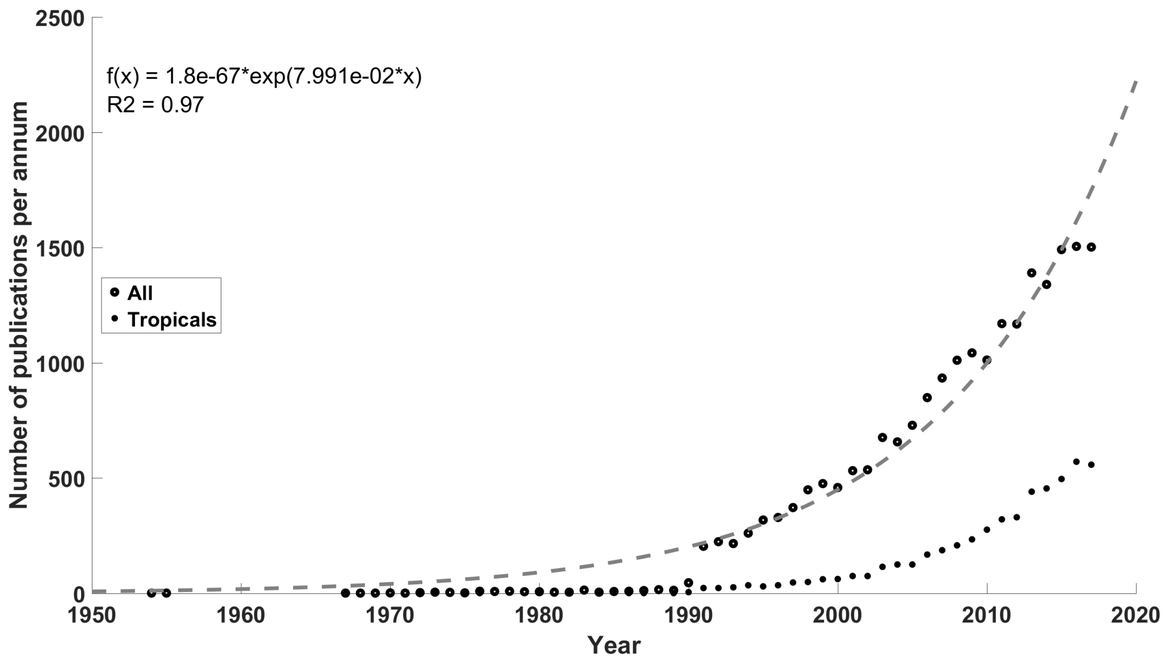
STATUS OF CLIMATE CHANGE IN TROPICAL BAYS

A SYSTEMATIC REVIEW

Elissama Menezes[1], José Maria Dominguez [2]

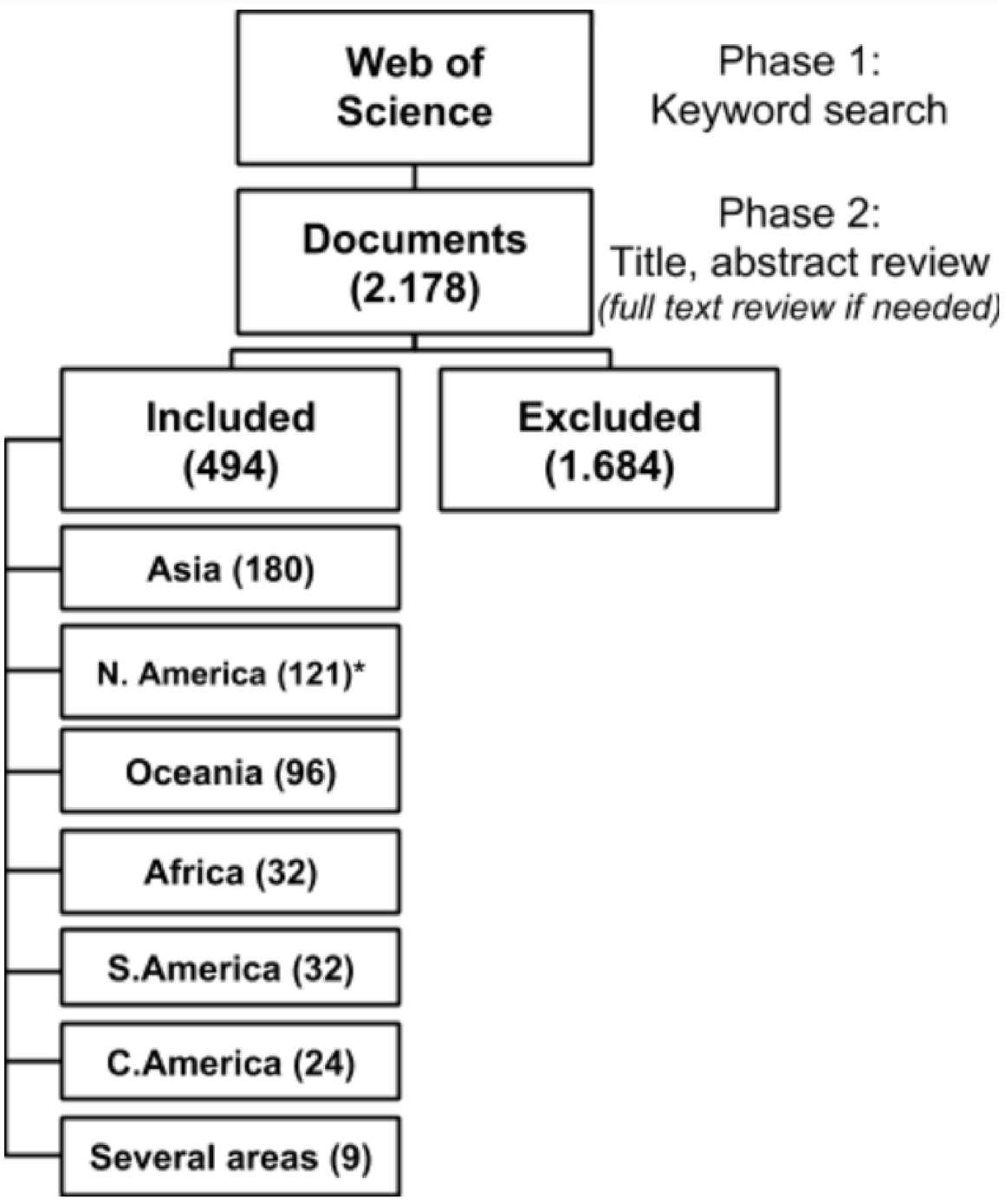
A PERSPECTIVE OF TROPICAL BAY RESEARCH

➤ Tropical bays are one of the most affected coastal landforms by climate change due to their economic, social, environmental, technical and educational vulnerability. Yet, they are the least studied compared to other bays.



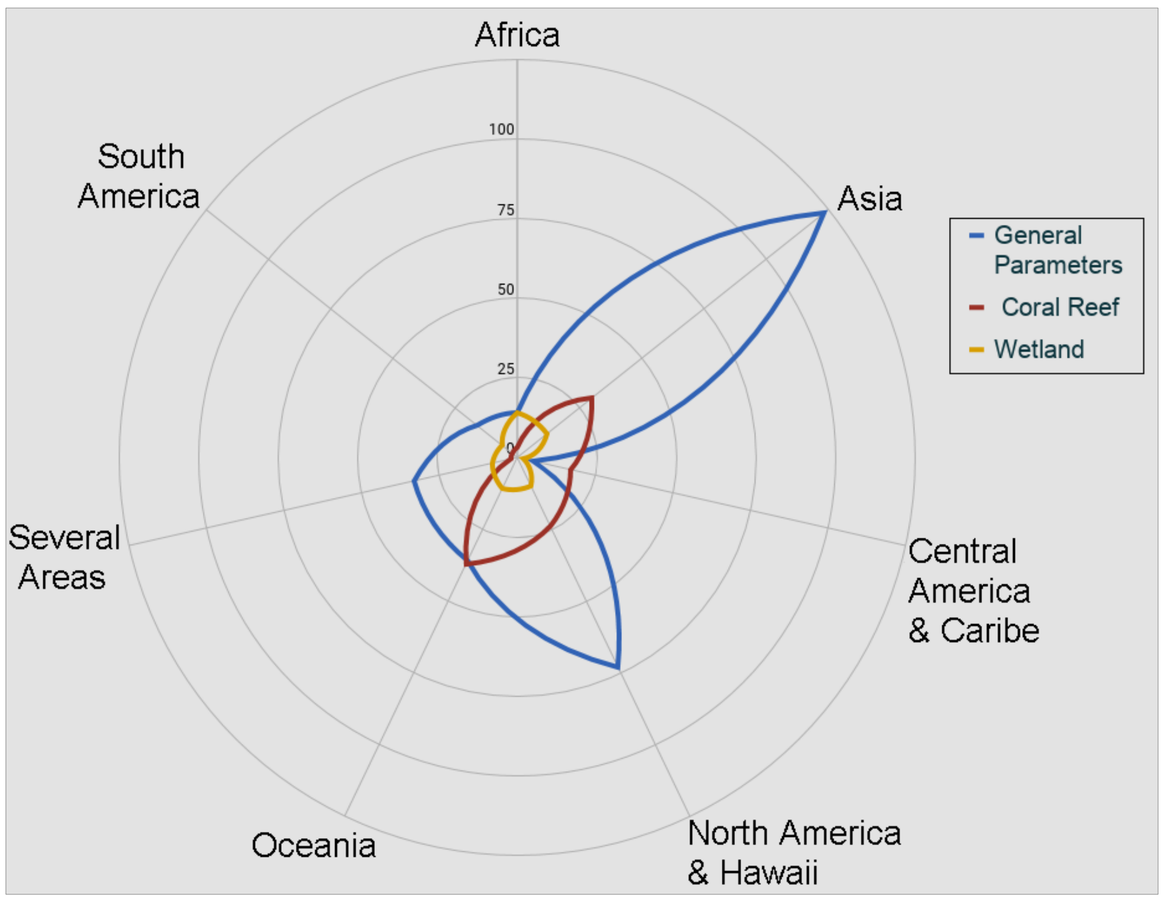
THE DATA

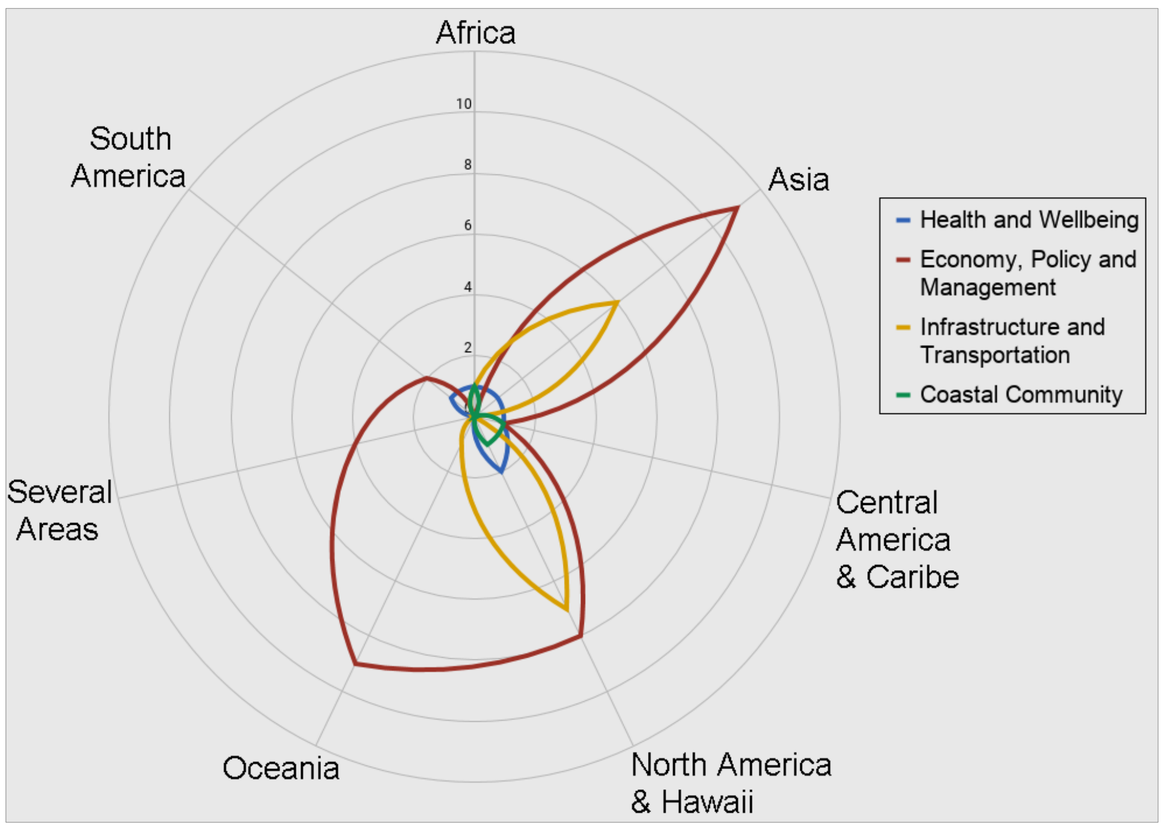
➤ Scientific publications were systematically reviewed and synthesized to identify and characterize the status of climate change in tropical bays and point out scientific gaps.



OUTCOMES

Tropical Bays Publications Categories





SOME FACTS

➤ Our understanding of climate change in tropical bays would be improved by further research on health systems, economic sectors, culture, and education.

➤ The lacuna of human system vulnerability, especially in the educational and cultural field, in coastal area science was also found in other climate change studies using the same methodology (Ford and Pearce, 2010; Berrang-Ford et al., 2011).

FORWARD

➤ The similarity in the lack of scientific covering in coastal communities in tropical bays and in other non-tropical communities may be a starting point to address the social issue in climate change studies.

- What these communities have in common?
- How would a better educational/social approach to climate change vulnerability increase their adaptive capacity to climate change?

[1] Master of Marine Management, Dalhousie (elissama.deoliveiramenezes@dal.ca); [2]Laboratório de Estudos Costeiros - UFBA (landim@ufba.br)